

Date: Wed, 14 Sep 94 18:29:51 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #1022
To: Info-Hams

Info-Hams Digest Wed, 14 Sep 94 Volume 94 : Issue 1022

Today's Topics:

2M vs 70 cm
AIRCRAFT INSTALLATION INFO NEEDED
AO-13 schedule changed or not?
BAYCOM for Macintosh
Daily Summary of Solar Geophysical Activity for 12 September
Digital Recording with SoundBlaster
Kenwood 2m mobile for sale
Learning CW (2 msgs)
MFJ HF tuner/swr meter for sale
SAREX Update 9/14 at 2:30 UTC
Simplex Repeater for sale
WANTED: GPS SPEAKER

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 14 Sep 1994 12:49:20 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!usc!sol.ctr.columbia.edu!
news.oberlin.edu!ocvaxa.cc.oberlin.edu!PRUTH@network.ucsd.edu
Subject: 2M vs 70 cm
To: info-hams@ucsd.edu

John, I'm learning to enjoy Jif. In hopes of avoiding the impending 2M overpopulation crisis and finding greener and friendly pastures in the higher regions of the ether I'm socking money away toward a Standard C528A twin-band HT 2M/70cm. It's like getting a second radio for about 150 bucks more. --Bill KB8USZ

In article <B0-x-q9.shuster5647@delphi.com>, John Shuster <shuster5647@delphi.com> writes:

>Bill:

>

>Eat peanut butter and go for it. You have already listed all the right
>reasons to do so. I bought my ICW21AT 5 months ago, and I use 70cm a lot
>here in the Seattle area. Had I gone with only 2 meter, I'd be looking
>at dual banders and figuring a way to get one today.

>

>John KC7CKP

Date: Wed, 14 Sep 1994 08:04:55 -0400

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!

news.moneng.mei.com!uwm.edu!psuvax1!news.pop.psu.edu!news.cac.psu.edu!

newsserver.jvnc.net!rohvm1!roh033.mah48d@network.ucsd.

Subject: AIRCRAFT INSTALLATION INFO NEEDED

To: info-hams@ucsd.edu

In article <2988371791.4.p01309@worldlink.com>, "Dirk Vander Zee"

<p01309@worldlink.com> wrote:

> 1. I need any available info on performing a 2m/440 aircraft installation
> in an aircraft.

>

> 2. Approved antennas, tips from succesfull installations, etc. would be
appreciated.

>

> 3. If any printed literature is available, please advise as well.

As you have to deal with some FAA regulatory issues for such an
installation, I strongly suggest you ask this question on one of the
aviation newsgroups as well. According to how I read the regs, you can't
just install an amateur transceiver and antenna in your own airplane
without having things checked out by the appropriate chap (certified A&P
mechanic?).

Consider using an HT. You don't have to install it, so you don't have any
of these problems, and a watt works extremely well from a few thousand
feet. It seems to be what the local guys use when they're airborne.

--

John Taylor (W3ZID) | "The opinions expressed are those of the
roh033.mah48d@rohmmaas.com | writer and not of Rohm and Haas Company."

Date: 14 Sep 1994 09:15:47 -0500
From: cs.utexas.edu!not-for-mail@uunet.uu.net
Subject: A0-13 schedule changed or not?
To: info-hams@ucsd.edu

Oscar 13 still seems to be on the "pre-Sept. 12" transponder schedule, with mode S from MA 120-150, and Mode B afterwards.

Signals are very strong, indicating that maybe the attitude hasn't changed.

Has the schedule change and/or attitude change been postponed?

73 de Wayne Estes WD5FFH Wayne_Estes@csg.mot.com

--

Wayne A. Estes
Motorola Asia-Pacific Cellular Subscriber Division
600 N. U.S. Hwy. 45, Rm. A-S345
Libertyville, IL 60048-1286
PHONE: 1-708-523-2386 Z-MAIL: wayne@csg.mot.com
FAX: 1-708-523-8795 POST: w10191@email.mot.com

Date: 14 Sep 1994 10:24:51 -0400
From: dziuxsolim.rutgers.edu!theaetetus.rutgers.edu!not-for-mail@uunet.uu.net
Subject: BAYCOM for Macintosh
To: info-hams@ucsd.edu

Does anyone know if BAYCOM software exists for the Macintosh?

--

dmk

dmk@noc.rutgers.edu N2RDT
David M. Katinsky Manager, RUCS/TDNS Operational Research and Services

Date: Mon, 12 Sep 1994 22:54:08 MDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!unixg.ubc.ca!
quartz.ucs.ualberta.ca!alberta!ve6mgs!usenet@network
Subject: Daily Summary of Solar Geophysical Activity for 12 September
To: info-hams@ucsd.edu

/\

12 SEPTEMBER, 1994

/\ /\

(Based In-Part On SESC Observational Data)

NOTE: Energetic electron fluence at greater than 2 MeV continued at high to very high levels.

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!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 255, 09/12/94
10.7 FLUX=077.2  90-AVG=080          SSN=024          BKI=1124 2321  BAI=009
BGND-XRAY=A4.1    FLU1=3.2E+06  FLU10=1.6E+04  PKI=2124 3322  PAI=010
   BOU-DEV=008,008,012,048,017,020,013,006  DEV-AVG=016 NT      SWF=00:000
   XRAY-MAX= B1.4   @ 0502UT      XRAY-MIN= A3.1   @ 1218UT      XRAY-AVG= A5.6
NEUTN-MAX= +004%   @ 1505UT      NEUTN-MIN= -001%   @ 1925UT      NEUTN-AVG= +0.3%
   PCA-MAX= +0.2DB @ 1705UT      PCA-MIN= -0.1DB @ 2345UT      PCA-AVG= +0.0DB
BOUTF-MAX=55212NT @ 2229UT      BOUTF-MIN=55186NT @ 1755UT      BOUTF-AVG=55203NT
GOES7-MAX=P:+000NT@ 0000UT      GOES7-MIN=N:+000NT@ 0000UT      G7-AVG=+075,+000,+000
GOES6-MAX=P:+121NT@ 0901UT      GOES6-MIN=N:-023NT@ 1945UT      G6-AVG=+099,+030,-005
   FLUXFCST=STD:076,074,072;SESC:076,074,072  BAI/PAI-FCST=015,020,020/015,020,015
   KFCST=2135 5111 2234 4233  27DAY-AP=010,007  27DAY-KP=3323 2133 2332 2211
WARNINGS=
ALERTS=
!!END-DATA!!

```

NOTE: The Effective Sunspot Number for 11 SEP 94 was 27.1.
 The Full Kp Indices for 11 SEP 94 are: 3o 4+ 4o 3- 3- 3o 3- 2o
 The 3-Hr Ap Indices for 11 SEP 94 are: 16 35 28 14 13 14 12 8
 Greater than 2 MeV Electron Fluence for 12 SEP is: 1.4E+09

Solar activity was very low. There was no significant activity. No new Regions were numbered.

Solar activity forecast: solar activity is expected to be very low.

STD: A full-disk Yohkoh x-ray image has been appended to this report.

The geomagnetic field has been at quiet to active levels for the past 24 hours. High latitude stations observed short periods of minor storming. Energetic electron (GT 2 MeV) flux was in the high range for the entire period.

Geophysical activity forecast: the geomagnetic field is expected to be quiet to unsettled for the first 24 hours of the forecast period, then unsettled to active for the remainder. Activity is anticipated because of an expected CME induced shock due on the 14th and a small coronal hole moving into a favorable position by the 15th. High latitude stations may experience periods of minor storming for the entire forecast period.

Event probabilities 13 sep-15 sep

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 13 sep-15 sep

A. Middle Latitudes	
Active	30/35/35
Minor Storm	15/15/15
Major-Severe Storm	05/10/10
B. High Latitudes	
Active	30/35/35
Minor Storm	15/15/15
Major-Severe Storm	05/15/15

HF propagation conditions were near-normal over all regions. High latitudes continued to experience periods of minor signal degradation although overall signal quality was near-normal. Similar near-normal propagation is expected until 14 or 15 September when high and polar latitudes may again witness increased periods of minor signal degradation.

STD ESTIMATED CORONAL HOLE BOUNDARY LOCATIONS DERIVED FROM YOHKOH X-RAYS

VALID AT 04:00UTC 12SEP94

"!H!" = Highly probable coronal hole locations.

"!W!" = Weak x-ray emissions (possible weak coronal holes).

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!!!
!! DOY=255 VALID=04:00UTC 12SEP94
!H! N54E90 N52E54 N54E36 N66E24 N67E14 N64W20 N58W44 N52W58 N48W73
!H! N48W77 N44W82 N44W90 N48W85 N50W81 N52W90
!!
!H! S68E90 S58E40 S47E32 S38E24 S37E27 S44E36 S46E44 S41E44 S43E50
!H! S48E60 S39E59 S34E50 S31E50 S24E45 S16E32 S11E32 S08E22 S16E19 S22E14
!H! S22E10 S20E02 S18W11 S18W13 S22W11 S28W07 S38W10 S48W07 S55W05 S54W02
!H! S50E04 S61E20 S56E27 S58E30 S63E38 S81E90 S81E90
!!
!W! N04E13 N16E13 N18E09 N18W01 N15W09 N08W09 N08W06 N10W02 N08E03
!W! N04E05 N02E07 N02E10 N04E13
!!!

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Use the IBM compatible software "SHOWHOLE.EXE" available through anonymous FTP at "ftp.uleth.ca" in the "pub/solar/Software" directory, or on our computer BBS at 403-756-3008 in the Utilities directory to display these boundary locations on-screen.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

=====

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 12/2400Z SEPTEMBER

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7776	S08W50	050	0180	HAX	02	002	ALPHA	
7778	S06W67	067	0000	AXX	01	002	ALPHA	
7775	N11W51	051					PLAGE	

REGIONS DUE TO RETURN 13 SEPTEMBER TO 15 SEPTEMBER

NMBR	LAT	LO
NONE		

LISTING OF SOLAR ENERGETIC EVENTS FOR 12 SEPTEMBER, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
NONE									

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 12 SEPTEMBER, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
NO EVENTS OBSERVED								

INFERRED CORONAL HOLES. LOCATIONS VALID AT 12/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS

	EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
03	S28E06	S30W08	S22W15	S22W15	005	ISO	NEG	002	10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
11 Sep:	0004	0009	0016	B2.0						
	0427	0505	0629	C8.7	SF	7773	S13W73	21		
	1527	1532	1542	B2.8	SF	7776	S13W35			
	1828	1840	1843	B2.0						
	2334	2349	2352	B2.6						

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Region 7773:	1	0	0	1	0	0	0	0	001	(20.0)
Region 7776:	0	0	0	1	0	0	0	0	001	(20.0)
Uncorrelated:	0	0	0	0	0	0	0	0	003	(60.0)

Total Events: 005 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
11 Sep:	0427	0505	0629	C8.7	SF	7773	S13W73	II,III,Continuum,Loop

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep

IV = Type IV Sweep
V = Type V Sweep
Continuum = Continuum Radio Event
Loop = Loop Prominence System,
Spray = Limb Spray,
Surge = Bright Limb Surge,
EPL = Eruptive Prominence on the Limb.

SPECIAL INSERT: YOHKOH FULL-DISK X-RAY IMAGE

12 September 1994, 04:00 UTC

North

[illegible]

South

KEY: East and west limbs are to the left and right respectively. Emission strength, from minimum to maximum are coded in the following way:

[space] . , : ; - + | ! 1 2 3 4 * # @

Units used are arbitrary, for illustrative purposes. Get "showasc.zip" from "pub/solar/Software" at the anonymous FTP site: ftp.uleth.ca (IP # 142.66.3.29) to view these images on VGA screens. Remove all but the image data before typing "showasc filename".

** End of Daily Report **

Date: 14 Sep 1994 09:17:25 -0600
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!spool.mu.edu!mnemosyne.cs.du.edu!nyx10.cs.du.edu!not-for-mail@network.ucsd.edu
Subject: Digital Recording with SoundBlaster
To: info-hams@ucsd.edu

Lately I noticed an ad in the radio hobby magazines for a digital "endless loop" recorder that provides 10 or 15 seconds of recording time which are available for replay at the touch of a button. This would be extremely handy for analyzing station identification, etc when conditions are not the best.

It seems to me that the same type of functionality should be fairly easily obtained through software developed for the SoundBlaster or other sound cards. Unfortunately, I am NOT a programmer and wouldn't know where to begin.

Is anyone aware of any software currently available which could be put to this use?

If none is currently available, any of you programming wizards care to tackle this one?

73,

Jim Navary
AA4JN

--

***** A closed mouth gathers no feet. *****
Jim Navary - AA4JN, 914 Conjurers Drive, Colonial Heights, VA 23834
jnavary@nyx.cs.du.edu OR an533@yfn.ysu.edu

Date: Wed, 14 Sep 1994 08:29:26 -0700 (PDT)
From: svc.portal.com!shell.portal.com!usenet@decwrl.dec.com
Subject: Kenwood 2m mobile for sale
To: info-hams@ucsd.edu

Kenwood 2 meter mobile (50w/10w/5w) radio (TM-231A) for sale.
\$200

Travis A. Wise
Supervisor, Photo Drive Up
Freshman, San Jose State University
KB8FOU
Voice Mail/Pager: (408) 383-8570

Date: Tue, 13 Sep 1994 14:00:04 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
cs.utexas.edu!wotan.compaq.com!twisto.eng.hou.compaq.com!news@network.ucsd.edu
Subject: Learning CW
To: info-hams@ucsd.edu

> Get the tapes and learn it that way! Or better yet I had more
> incentive at this time to learn code, I bought the most expensive type of
> code practice oscillator you can get - An HF rig!!! That will sure put the
> bug in you. (No pun intended!) . Just though I would pass my two cents along,
> Do it the way the OLD-TIMERS did it. Listen to it on the air, it is a whole
> heck of a lot different that what the computer spits out at you!

>
Screw the tapes! As soon as you have passed the 5 WPM you should
be slugging it out on the novice CW bands. Looks like you already figured
that out Paul. On the air operating is more interesting and instills a
genuine appreciation for CW. Tapes and computer generated practice
are boring and make the code a chore.

I only wish I could type the code better as I copied, it would make
contesting much easier and increase my rate if I could type those calls
faster into the log.

Have a ball Paul, sounds like you already figured out how to do it.

Earl Morse
KZ8E
kz8e@bangate.compaq.com

Date: 13 Sep 1994 14:52:31 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
vixen.cso.uiuc.edu!newsrelay.iastate.edu!news.iastate.edu!kenman@network.ucsd.edu
Subject: Learning CW
To: info-hams@ucsd.edu

In article <35327o\$pg0@crl.crl.com> pbp@crl.com (Paul Pescitelli) writes:

>Anyway some were wondering about using the computer to learn code. This is in
>my opinion the worst way possible! Don't get me wrong I love computers, I work

Just the opposite worked for me. I had the tapes "memorized" about the
second time through, so they didn't help much for test practise. :(

I increased my code speed and proficiency much faster using the computer
program Morse Academy. Also listening to W1AW helped alot.

As for on the air QSO's....These didn't help me pass the code elements
though they were a lot more fun!!

Ken

--
Ken Anderson NOZEM PH: 515.294.8996 Kenman@iastate.edu
126 Soil Tilt Bldg. NOZEM@KIQQ.#CIA.IA.USA.NA
Iowa State University, Ames, Iowa 50011

Date: Wed, 14 Sep 1994 08:30:47 -0700 (PDT)
From: svc.portal.com!shell.portal.com!usenet@decwrl.dec.com
Subject: MFJ HF tuner/swr meter for sale
To: info-hams@ucsd.edu

HFJ-949C Versa Tuner II HF tuner/swr meter \$75

Travis A. Wise KB8FOU
Supervisor, Photo Drive Up Voice Mail/Pager: (408) 383-8570
Freshman, San Jose State University

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>Also, as I reported at the beginning of this flight, Shuttle power
>conservation measures, required to support an extra (10th) day of flight,
has
>resulted in no packet radio operation to date. It is hoped that the packet
>system will be turned on later in the flight. The SAREX team will keep you
>posted. Please remember to listen on the downlink frequency (145.55 MHz)
for
>the packet activity BEFORE sending packet connects to the Space Shuttle.
>
>
>Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group
```

73, Seth

* Simplex Repeater SR3 (Brainstorm Engineering)	\$150
Allows voice mail/simplex repeating using one radio	

Date: Sun, 11 Sep 1994 05:52:54 GMT
From: agate!library.ucla.edu!csulb.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!
csusac!csus.edu!netcom.com!junger@ames.arpa

Subject: WANTED: GPS SPEAKER
To: info-hams@ucsd.edu

The San Lorenzo Valley Repeater Club is looking for a guest speaker who can present a program on GPS. The club is located in Felton CA, near Santa Cruz and would like this presentation to be presented at the October 8 meeting at 7:30 PM. We would be grateful if you are (or know of) a good speaker about GPS. Please phone or e-mail me with your suggestions. Thanks for your help.

jack

--

Jack Unger K6XS (junger@netcom.com)

Advertisement: I design and install wireless LANs and WANs. (408) 335-2439

Social Comment: A gun, in a moment of anger, turns a law-abiding citizen into a criminal.

Date: Wed, 14 Sep 1994 08:13:14 -0400

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
news.moneng.mei.com!uwm.edu!psuvax1!news.pop.psu.edu!news.cac.psu.edu!
newsserver.jvnc.net!rohvm1!roh033.mah48d@network.ucsd.

To: info-hams@ucsd.edu

References <1994Sep7.135451.493@bnlux1.bnl.gov>,
<qoWRkiubGsbV066yn@access.digex.net>, <34n6o3\$q00@cronkite.ocis.temple.edu>
Subject : Re: 2m/440 repeaters in the I-95 corridor

In article <34n6o3\$q00@cronkite.ocis.temple.edu>,
jqavins@astro.ocis.temple.edu (Joe Avins) wrote:

> Andy Domonkos (domonkos@access.digex.net) wrote:

>

> : Also try 146.73 (-) when you're in Southern NJ. This is the Wilmington, DE

> : machine and has tremendous reach from Cherry Hill, NJ to the Del/MD line.

>

> I know it's trivial, but I'm going to post it anyway. I-95 doesn't

> go to southern NJ, it runs down the PA side of the Delaware, right

> through Philly. I'm sure this Wilmington repeater is just as good

> there.

Yes--you can use 145.25 from about Trenton right down I-95 to about the Philadelphia International Airport, and start using 146.73 around center-city Philadelphia, so there's some overlap. 146.73 is good well into Maryland, almost to the Susquehanna River.

Actually, both of those machines provide some coverage of the New Jersey Turnpike, although something like the Tabernacle repeater (don't recall the

frequency) is more solid if you're running a HT.

--

John Taylor (W3ZID) | "The opinions expressed are those of the
roh033.mah48d@rohmmaas.com | writer and not of Rohm and Haas Company."

End of Info-Hams Digest V94 #1022
